

Hamsplatter

October 1998

Volume 27 Issue 10



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Bill Stockslager,
N9WS 471-5492

Vice President:
Scott Price
N9VZJ 744-1927

Secretary:
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WB9SSE 637-1989

Treasurer:
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WB9UZA 485-7472

President's Corner

Our club will support the Girl Scout Jamboree that will occur on Saturday 17 October at Camp McMillen from 09:00 am to 3:00 pm. Jim Pliett is planning to set up an ATV demo, Bill Hall and Bill Stockslager plan to set up an HF and VHF station, and a foxhunt is planned. This should give the 80 girl scouts expected to attend the Jamboree an interesting introduction to amateur radio. Volunteers to help out are welcome. Please contact Bill Hall (WD9HII) at 485-3995 if you are interested in helping.

At the September meeting it was announced that the FWRC and ACARTS had been in discussion regarding joint ventures between our two clubs. One of these joint ventures will be that the two clubs will sponsor a needy family during the "Adopt a Family" initiative this Christmas. To that end, a collection site will be set up at the November hamfest next to the ACARTS table to collect nonperishable food goods and to accept cash donations.

The November Ft. Wayne Hamfest is drawing near and there are still some opportunities for helping out. For those who would be willing to lend a hand, please contact Henry Goulet (KA9ZNN) at 749-8968.

Elections for club officers and board members will be conducted at our October meeting. The slate for the elections so far is as follows:

President:
Scott Price (N9VZJ)

Vice-President:
Wayne Bergamino (KB9OZH)

Treasurer: Bob Streeter
(W8ST)

Secretary: Al Burke (WB9SSE)

Communications Officer: Open

**Want your
Hamsplatter
via Email?
See Page 6**

Board of Directors:
Carl Rittenhouse (N9NRO)
Carole Burke (WB9RUS)
Clint Stedge (KB9LOF)
Jim Machamer (KB9DOS)

Nominations will be opened to the floor just prior to elections being conducted for any last minute nominations. If you want to nominate someone or you want to be nominated for a particular position, please give me a call at 471-5492 or Bill Hall at 485-3995.

**Next Club Meeting -
Friday, October 16, 1998,
7:30 PM**
**Good Shepherd United
Methodist Church, corner
of Vance Ave. & Reed Rd.**

**Program: Fox Hunting,
presented by Carl
Rittenhouse, N9NRO
Also Election of officers
and board members**

Next Club Meeting - Friday, October 16, 1998
7:30 PM

The October program will be presented by Carl Rittenhouse on the subject of fox hunting. Carl will share some of his techniques and review equipment options.

See you there!

73s

Bill Stockslager (N9WS)

1998 Board of Directors

Al Burke	WB9SSE	637-1989
Carole Burke	WB9RUS	637-1989
Jim Pliett	K9OMA	693-9211
Scott Price	N9VZJ	744-1937
Carl Rittenhouse	N9NRO	485-4012
Becky Stockslager	N2XUW	471-5492
Bill Stockslager	N9WS	471-5492
Bob Streeter	W8SST	672-9737

September Meeting Minutes

FORT WAYNE RADIO CLUB MEETING MINUTES

18 SEPTEMBER, 1998



1. The September meeting of the Ft. Wayne Radio Club was held on 18 September, 1998 at the Good Shepherd United Methodist Church. President Bill Stockslager hosted the meeting, and there were about 25 members present.
2. The August meeting minutes were read and there were no corrections.
3. There was no Treasurer's report.

4. The September foxhunt was won by N9LOV and N9NRO. They were followed by N9GK and KB9NRA and then in turn by KA8WEO and companion Allen. The foxhunt shifts to it's winter schedule for the next outing that will commence from Shoaf Park on Sunday, October 4 at 1:30pm.
5. Scott Price reported that all of the Club's repeaters were operating normally.

6. The meeting was turned over to Bill Hall who opened nominations for club elections that will occur in October. The slate of people willing to run for office developed as follows:

President - Scott Price will consider running but has not yet committed.

Vice President - Wayne Bergamino

Treasurer - Bob Streeter

Secretary - Al Burke

Board of Directors (4 Directors, 3 to be elected) - Carl Rittenhouse, Carole Burke, Clint Stedge and Jim Machamer. As ex-president, Bill Stockslager is automatically on the Board next year as the fourth Director. Nominations will be reopened at the October meeting preceding the elections. Anyone else willing to run for office should contact Bill Hall or any club officer prior to or during the October meeting.

7. Bill Hall noted that a Girl Scout Jamboree would occur on Saturday 17 October at Camp Macmillan from 09:00 am to 3:00 pm. Jim Pliett is planning to set up an ATV demo, Bill Hall and Bill Stockslager plan to set up an HF and VHF station, and Carl Rittenhouse is planning to organize a foxhunt. This should give the 80 girlscouts expected to attend the Jamboree an interesting introduction to amateur radio. Volunteers to help out are welcome.

8. Vic Guess discussed the possibility of providing the Hamsplatter as a .pdf file delivered via e-mail. The Hamsplatter would look exactly the same as it does in hard copy. If we could deliver the Hamsplatter electronically, the club could save on (Hamsplatter) postage which is one of the club's largest expenses. Electronic receipt of the Hamsplatter would require that the recipient have an e-mail address with a service that supports attachments.

9. Bill Stockslager announced that the FWRC and ACARTS had been in discussion regarding joint ventures between our two clubs. The two clubs have agreed to sponsor a needy family during the "Adopt a Family" initiative this Christmas. In addition, we are considering helping ACARTS at the Hamfest, and are talking about working together at the Haunted House this Halloween and working together during the "Talk to Santa" activity.

10. Bill Stockslager made note that ICOM's "Funmobile", a 30' Motor home full of ICOM radio-goodies would set up shop between 7 and 9 pm in the Raytheon Systems Company parking lot across from Seiferts on 22 September.

11. Wayne Bergamino conducted the 50/50 raffle. The (\$15.00) pot was split between the club treasury and winning ticket holder Steve Nardin, WB9ZIY. Wayne also raffled off two tickets to the North Central Indiana Hamfest, and they were won by Bob Curts, KA9AZZ.

12. Following the business meeting, President Bill Stockslager gave a presentation on the proposed new amateur license structure being considered by the FCC.

RESPECTFULLY SUBMITTED

AL BURKE, WB9SSE

AMATEUR RADIO HAS HIGH PROFILE AT ITU CONFERENCE

from *The ARRL Letter*, Vol 17, No 37

Amateur Radio will enjoy a high degree of visibility when the ITU Plenipotentiary Conference convenes next month in Minneapolis—even though ham radio frequency allocations are not on the agenda. ARRL Technical Relations Manager Paul Rinaldo, W4RI, has been appointed to serve as a member of the US delegation to the international gathering, October 12 to November 6. ARRL International Affairs Vice President and International Amateur Radio Union Secretary Larry Price, W4RA, will attend under United Nations auspices. Price will serve as senior advisor on Emergency Telecommunications for the UN Office of Humanitarian Aid. The longtime former director of the ITU Radiocommunication Bureau, Richard Kirby, W0LCT, also will attend on behalf of Amateur Radio.

ARRL President Rod Stafford, W6ROD, and Executive Vice President David Sumner, K1ZZ, are expected to visit the conference but will not participate as delegates.

While Amateur Radio matters are not specifically slated for discussion at the conference, “there are items on the agenda that have the potential to affect us,” said Price.

Two special event stations will be on the air during the conference. W98ITU will be set up in the conference center at Minneapolis, run by operators from the Twin Cities area. The primary W98ITU operating position will control a remote Kachina transceiver and antenna site some 15 miles from the conference center. A second operator position will use a Ten-Tec OMNI VI Plus, solid-state amp, and an Explorer 14 beam at the conference site. W98ITU is expected to be on the air during the day on weekdays and for entire weekends. A full-fledged satellite station also will be on the air, according to ARRL Dakota Division Director Tod Olson, KOTO, who’s coordinating the operating activity. Also during the conference, the W0AIH multiop station will use the call sign N98ITU during the CQ Worldwide Contest (SSB) October 24-25. Separate, special event QSL cards will be available for those working either W98ITU or N98ITU.

The ITU Plenipotentiary Conference—held every four years—is the organization’s top policymaking body. It sets general ITU policies, adopts five-year strategic and financial plans, and elects the senior management team.

One good sign for the hobby in terms of its international presence is the fact that the current director of the Radiocommunication Sector, Robert W. Jones, VE3CTM, is the only one of the three incumbent sector directors who is unopposed for re-election.

The Minneapolis “plenipot” marks the first time in more than 50 years that a Plenipotentiary Conference will be held in the US. The last one on American soil was in Atlantic City, New Jersey in 1947.

LEAGUE ASKS FCC TO HOLD THE LINE ON CONDUCTED EMISSIONS

from *The ARRL Letter*, Vol 17, No 37

The ARRL has asked the FCC to hold the line on current conducted emission limits below 30 MHz from unlicensed consumer electronic, industrial, scientific, and medical devices operating under Parts 15 and 18 of the Commission’s rules. Interfering devices include such common household appliances as computers, TV sets, and microwave ovens. Conducted emissions result from RF voltages imposed on the a.c. power line, which can, in turn, act as an antenna. In general, the current conducted emission limit is 250 uV.

In comments filed in response to a Notice of Inquiry on conducted emission limits below 30 MHz in ET Docket 98-80, the League said the proliferation of Part 15 and 18 devices over the past decade as resulted in what it called “a marked increase in RF noise from conducted emissions generally.” The ARRL

said it “wholeheartedly agrees” with a tentative FCC conclusion that some limitations continue to be necessary to control interference to licensed radio services in the HF range.

The League said that current Part 15 and 18 limitations are “not sufficient” to prevent interference to hams from conducted emissions. The League said it would be “most inappropriate” to consider relaxing the limits “unless and until the consumer electronics industry is provably able to properly respond to the interference problems.”

The League concluded that because most interference from Part 15 and 18 devices to licensed HF services results from conducted emissions, “it is especially important that the Commission retain what minimal protection exists from the present regulations.”

The League has already called on the FCC to not relax line-conducted emission limitations at 2.4 GHz and has recommended a 300-meter distance limitation from residential areas if the FCC adopts the relaxed conducted and radiated emission limits it proposed in a separate proceeding (WT Docket 98-42). That proceeding focused on updating regulations for Part 18 RF lighting devices.

The League said the proliferation of Part 15 and 18 devices over the past decade as resulted in what it called “a marked increase in RF noise from conducted emissions generally.”

FCC Official Pledges Better Enforcement

FCC RENEWS AMATEUR ENFORCEMENT EMPHASIS

from *The ARRL Letter*, Vol 17, No 39

Things may be changing for the better on the Amateur Radio enforcement front. The FCC announced this week that all Amateur Radio-related enforcement investigation, evaluation, and processing has been transferred to the Compliance and Information Bureau. The change, effective September 1 but not announced until more than three weeks later, was made "by internal arrangement" between the CIB and the FCC's Wireless Telecommunications Bureau. The Wireless Bureau handles amateur licensing and, for the past several years, has coordinated enforcement with the CIB.

The FCC said the main objective of the change was to "facilitate the Commission's pursuit of compliance," especially in the area of resolving interference complaints, a hot-button issue within the amateur community.

"Amateur enforcement should have gotten more direct attention over the last few years."

"Amateur enforcement should have gotten more direct attention over the last few years," conceded Riley Hollingsworth, K4ZDH, the CIB's legal advisor for enforcement. "A lot of people think the FCC doesn't care."

Hollingsworth will be the FCC's point man in handling the complaints. He

says FCC Chairman William Kennard "wants greater respect with respect to enforcement" at the FCC. Putting enforcement in the CIB's hands should mean "a much faster, more effective response," he said.

ARRL General Counsel Chris Imlay, W3KD, says he's "cautiously optimistic" that the change will improve the dismal amateur enforcement situation. "Now, CIB doesn't have to just gather evidence and forward it to another bureau," Imlay said. "It can act on it when it is ready. That's a good situation compared to where we were."

The FCC's public notice said the CIB staff now handles Amateur Radio enforcement matters "from initiation to resolution." That includes complaints, amateur testing issues, warnings, monetary penalties, revocation hearings, and "in extreme cases" equipment seizure and prosecution through the Department of Justice.

The Wireless Bureau continues to handle Amateur Radio licensing, including new applications and renewals, as well as all Amateur Radio policy and rulemaking matters. The change is expected to have no impact on the Amateur Auxiliary. Hollingsworth said the change could,

in fact, mean that the FCC will work more closely and more effectively with amateur volunteers in dealing with enforcement issues.

Under the new arrangement, all amateur enforcement questions and complaints should be directed to the Compliance and Information Bureau, Compliance Division, Attention: Amateur Complaints, 1919 M St, Mail Stop 1500E1, Washington, DC 20554.

The FCC also has instituted an "Amateur Enforcement Line" at 202-418-1184. The automated system prompts callers to leave a name, a number, and a brief message. The CIB will return the call within the next business day.

Remember when...

A computer was something on TV
from a science fiction show of note
a window was something you hated to clean....
And ram was the cousin of a goat.....

Meg was the name of my girlfriend
and gig was a job for the nights
now they all mean different things
and that really mega bytes

An application was for employment
a program was a TV show
a cursor used profanity
a keyboard was a piano

Memory was something that you lost with age
a cd was a bank account
and if you had a 3 1/2" floppy
you hoped nobody found out

Compress was something you did to the garbage
not something you did to a file
and if you unzipped anything in public
you'd be in jail for a while

Log on was adding wood to the fire
hard drive was a long trip on the road
a mouse pad was where a mouse lived
and a backup happened to your commode

Cut you did with a pocket knife
paste you did with glue
a web was a spider's home
and a virus was the flu

I guess i'll stick to my pad and paper
and the memory in my head
I hear nobody's been killed in a computer crash
but when it happens they wish they were dead

The Race for Bandwidth

by Adam C. Engst <ace@tidbits.com>

from *TidBITS#447/21-Sep-98*

Almost a year ago, Cary Lu, noted technologist and Macintosh author, died after a nine-month bout with cancer. In "Cary Lu Remembered" (*TidBITS-399*), I tried to convey who Cary was and a feeling for the memories he'd left for many of us.

<<http://db.tidbits.com/getbits.acgi?tbart=04169>>

In that article, however, I didn't mention one final gift Cary left behind - a partially completed book about bandwidth that he was writing for Microsoft Press. He had completed much of it before his cancer was diagnosed, and although the radiation treatment and chemotherapy sapped his strength, Cary clung to the idea of finishing. His energy level visibly increased when he discussed the book, but despite valiant attempts, even Cary couldn't finish a book while battling cancer.

Toward the end, I and Cary's friend Steve Manes, then writing for the New York Times and now for Forbes, volunteered to finish the book. Although we harbored no illusions of being as qualified as Cary, we figured that between us we could tie together the final pieces. Steve spent hours talking with Cary and going over the notes for the chapter about Internet bandwidth, and Cary explained some of the finer points of audio and video bandwidth to me. In the end, though, we were on our own with a manuscript that might have been 80 percent done for Cary and his original schedule, but which was closer to 60 percent done for us, coming in as we did over a year after Cary had set down some of the chapters.

But Steve and I persevered, and digging deep within the Internet, we ferreted out details surrounding the history of bandwidth, satellite radio, and the many standards for television around the world. We merged and moved, edited and extended, and eventually we turned a manuscript into a book - *The Race for Bandwidth* (\$19.99, Microsoft Press, ISBN 1-57231-513-X). Our editors at Microsoft Press came up with illustrations and summaries. And Cary's wife Ellen W. Chu provided a humorous and touching foreword along with acknowledgments for all those who had helped not only with the book, but also with keeping Cary company during his illness.

<<http://www.amazon.com/exec/obidos/ISBN=157231513X/tidbitselectro00A/>>

****About Bandwidth**** — The book itself contains eight chapters, the first four of which are essentially devoted to

background information. It starts by describing what bandwidth is and why it's crucial to our information age, then steps back to trace the history of bandwidth. The "Thinking about Bandwidth" chapter then looks at common misconceptions surrounding bandwidth, such as the fact that a slow boat has a higher raw bandwidth than a fast wire. That's because bandwidth is the measure of the amount of information that flows from one place to another in a given amount of time, and sending a cargo ship with CD-ROMs

from New York to London provides far greater bandwidth than the best Internet connection, even though the ship may take more than a week to make the crossing. The fourth of these background chapters delves into analog and digital bandwidth, looking at the advantages and disadvantages of each. In today's increasingly digital world, many people think that digital is "better," whereas in fact, it's difficult even to compare the two. For example, it's easy to say that an audio CD sounds better than an analog cassette tape, but that comparison looks not at digital and analog but instead at examples of high and low bandwidth methods of carrying audio information.

Broadcast bandwidth, both audio and video, occupies the next two chapters, and coming at this from an Internet background, I found researching, editing, and updating these chapters to be fascinating. Cary covered existing types of broadcast bandwidth, as well as those that we're likely to see in the future. For instance, digital satellite radio will start supplanting standard analog AM and FM radio in the next few years. In the United States, the FCC foresees perhaps 4 percent of the population being able to receive digital satellite radio broadcasts in the S band (2310-2360 MHz) by the year 2005. Just north of the U.S. border, however, Canada also plans to move to digital satellite radio but in the L band (1452-1492 MHz), with all existing analog AM and FM stations moving to digital satellite radio by the year 2010. Interestingly, Canada uses the S band for aeronautical telemetry applications, whereas the United States uses the L band for that purpose. It remains to be seen how this conflict will play out, but future radios may not work across the border.

Those interested in the Internet may find the final two chapters the most compelling. First, Cary looks at point-to-point bandwidth - standard telephone lines, dedicated Internet connections, cellular telephones, pagers, and faxes. Perhaps the most important lesson in this chapter is the difference between circuit-switched and packet-switched communications. In circuit-switched communications, such as a stan-

Sending a cargo ship with CD-ROMs from New York to London provides far greater bandwidth than the best Internet connection.

Continued on page 6.

Email delivery of Hamsplatter proposed

In order to save printing costs and postage, we are considering delivering Hamsplatter via e-mail to those that desire this method of delivery. It would be sent via an attachment

**It would be sent via
an attachment in
Adobe PDF format
which would appear
just as the printed
version.**

in Adobe PDF format which would appear just as the printed version and could be printed out if you desire. The files would be around 140 k. PDF is the format that the ARRL is using for QST Product Reviews on their Members Only Web Site. (See pp. 30-31, Oct. 1998 QST for details.) In order to receive and read PDF documents you will need an e-mail service that allows attachments. (This excludes many free

services like Juno.) You will also need a copy of Adobe Acrobat Reader which is available for all major platforms at the Adobe web site <<http://www.adobe.com/>>. For Macintosh users Acrobat Reader is also included on the newer Mac OS Installation CDs.

We would still mail printed copies to those that desire them.

If you would be interested in having Hamsplatter delivered by e-mail, please send a note to the editor, Vic Guess, WB9UZA at victor9444@aol.com. Please put "e-mail Hamsplatter" in the subject line.



Real Life Dibert-zone

A young executive was leaving the office late one evening when he found the CEO standing in front of a shredder with a piece of paper in his hand.

"Listen," said the CEO, "this is a very sensitive and important document here, and my secretary has gone for the night. Can you make this thing work?" "Certainly," said the young executive. He turned the machine on, inserted the paper, and pressed the start button.

"Excellent, excellent!" said the CEO as his paper disappeared inside the machine. "I just need one copy."

For Sale

COMPLETE HAM STATION

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The Race for Bandwidth – cont'd. from pg. 5

dard telephone call, you "own" the virtual circuit the telephone company creates for you: the full bandwidth of the call is devoted to your call. That ownership is important, because with voice communications, silence in the form of, say, a pregnant pause, has meaning. But when you're transmitting and receiving digital data, the communications are inherently bursty: you receive a Web page, spend some time reading it, and then move on to the next one. In this situation, silence has no meaning, so it makes much more sense to share the bandwidth to even out the usage patterns. Such equality is achieved by breaking all communications into packets and sending each packet separately. The problem comes when you attempt to piggyback a packet-switched network like the Internet onto a circuit-switched network like the public telephone network.

Having described the background of how the wires work, Cary looks at how bandwidth works on the Internet itself. In many ways, this chapter is the linchpin of the entire book, since it seems that everyone wants to know more about how the Internet works. That said, I suspect that many Internet aficionados among the TidBITS audience may already know most of the good points Cary makes in this chapter, such as the numerous places in a standard Internet communication transaction that can act as bottlenecks.

****Legacies**** — Steve and I volunteered to finish Cary's book not just because of our friendship with him but also because we both felt strongly that the information in the book was too valuable to fade away into a dusty legal estate. My suspicion is that everyone will come to the book with some small amount of expertise - perhaps thanks to an interest in shortwave radio or the Internet. My hope is that everyone will leave the book having acquired at least a deeper appreciation for the issues surrounding information transfer in today's world. I know I did: at times while researching some topic I'd stumble into Tonya's office and quote a classic Far Side cartoon: "Mrs. Johnson, may I be excused? My brain is full."

Finally, as a gift for Cary's children - Nathaniel Chu and Meredith Lu - some of us set up a Web site last year so that those whose lives had been touched by Cary could contribute their thoughts and remembrances. Our plan is to print the collection on acid-free paper for the kids. After a year, the time has come to work on the final output, but we want to give everyone a last chance to contribute before we commit to paper. The database itself will remain accessible as long as we can reasonably serve it and as long as Ellen desires, since, along with The Race for Bandwidth, his other books, editorial work, short films, and research, it has become yet another addition to Cary's legacy.

<<http://www.tidbits.com/carylu/>>

Membership Data: (Give this form to the treasurer at any FWRC meeting or mail to the address below)

Name _____ Call _____ Class: N T G A AE

Street _____

City _____ State _____ Zip _____

Home Phone: _____

Work Phone: _____

E-mail: _____

Shall we list your address and phone number in the membership roster Y N?

Are you presently an ARRL member Y N?

Membership Term: (Jan - Dec) (Jul - Dec)

Family Membership: \$21.00/yr \$10.50/yr immediate family (list all callsigns)

Regular Membership: \$15.00/yr \$7.50/yr licensed member

Student Membership: \$6.00/yr \$3.00/yr full time student

Associate Membership: \$15.00/yr \$7.50/yr unlicensed member

Your Check Number _____ please pay by check. It's easier for both of us.

Mail to: The Fort Wayne Radio Club

PO Box 15127
Fort Wayne, IN 46885

Area Traffic Nets

(please submit any changes or corrections to the editor)

IMO: meets nightly at 2330 UTC (6:30 PM) on 146.88

Auburn: meets Mon, Wed., Thur., Fri., & Sat. at 2300 UTC (6 PM) on 147.015+

21 Repeater Group: meets each Wednesday at 0200 UTC (9 PM) on 147.150

Fort Wayne 6M net: meets nightly at 0000 UTC (7 PM) on 50.58 AM

Miscellaneous Nets

Huntington ARES: Sat/Tues at 0100 UTC (8 PM) on 146.685

Portside: 3rd Wednesday at 0030 UTC (7:30 PM) on 444.300

Whitley Co. / ARES: Wednesdays at 00 15 UTC (7:15 PM) on 444.55 & 146.46 (simplex)

Whitley Co. Sunday: Sundays at 0045 UTC (7:15 PM) on 444.55 & 146.46 (simplex)

Sloppy Code Net: Sundays at 0200 UTC (9 PM) on 40M (7.1405 MHz). This CW net's purpose is to build confidence and help increase code speed. The speed is generally 1-10 WPM. If you want to copy only contact Henry, KA9ZNN at 749-8968 for details.

Fort Wayne Radio Club Repeaters

Voice: 146.76

146.94

444.875

ATV: 439.25 In, 910.250 Out

Please send any articles, corrections, for sale notices, etc. to the editor, Victor Guess, WB9UZA, via e-mail victor9444@aol.com. Please put "for Hamsplatter" in the Subject line. Text should be plain ASCII, graphics should be JPEG or GIF. For those computer impaired: snail mail to 3311 Sanibel Drive, Fort Wayne, IN, 46815-4755. Items must reach me by first Thursday of the month.

Deadline for the November issue: 11/5/98.

Be sure to visit the Fort Wayne Radio Club on the Internet: <http://home1.gte.net/n9iww2/fwrc/>

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